

**National Forum on Vapor Intrusion**  
**January 12 & 13, 2009 - Loews Hotel, Philadelphia, PA**

**MONDAY, 12 JANUARY: PLENARY SESSION**

**Burke, Jim**

Jim Burke is the Director of the Hazardous Site Cleanup Division. Jim has 36 years of management experience in the planning, engineering, implementation, and management of environmental programs. He has experience in the private sector, as well as Federal, state, and local government. Jim has held several positions within Region 3, including Director, Waste and Chemicals Management Division; Deputy Director, Water Protection Division; Chief, Toxics and Pesticides Branch; Deputy Director, Air Protection Division; Director, Office of Congressional and Intergovernmental Relations; and Chief, State Programs Branch. His private sector, state and local government positions have included Director, Office of Policy and Governmental Affairs, City of Philadelphia; Executive Director, Mayor's Solid Waste Advisory Committee, Philadelphia Streets Department, and Director, Government Marketing at Rollins Environmental Services in Wilmington, Delaware.

**Schuver, Henry**

Henry Schuver is a geologist (M.S. from Arizona State University) and has been with EPA's Office of Solid Waste RCRA Corrective Action program since 1997. He authored the 1999 RCRA Corrective Action Environmental Indicator (EI) guidance, which included a check-off review of possible impacts to indoor air. Since then, he has led a number of national conferences on vapor intrusion and the development of the 2001 RCRA Supplemental Guidance for Vapor Intrusion. He is currently responsible for responding to comments on, and revision of, the Agency's most recent draft Vapor Intrusion Guidance (OSWER, November 2002). Prior to coming to Washington, he worked in the New York, NY, EPA regional office, as a private consultant in PA, and with the state of New Jersey. He recently completed a Doctor of Public Health degree in epidemiology (Johns Hopkins School of Public Health).

**Siegel, Lenny**

Lenny Siegel has been Executive Director of the Center for Public Environmental Oversight since 1994. He is one of the environmental movement's leading experts on both military facility contamination and the vapor intrusion pathway, and for his organization he runs two Internet newsgroups: the Military Environmental Forum and the Brownfields Internet Forum. He is a member of several advisory and technical committees, including the Interstate Technology & Regulatory Council's work teams on Vapor Intrusion and Perchlorate, the National Research Council Committee to Review Assembled Chemical Weapons Alternatives Secondary Waste Disposal, the Moffett Field (former Moffett Naval Air Station) Restoration Advisory Board. He is currently co-chair of California's Brownfields Revitalization Advisory Group, and he is a member of the Department of Toxic Substances Control (California) External Advisory Group. In the past he has served on U.S. EPA's Negotiated Rulemaking Committee on All Appropriate Inquiries, the National Research Council Committee on Army Non-Stockpile Chemical Materiel Demilitarization, the National Research Council Committee on Environmental Remediation at Naval Facilities, the ASTM/ISR Brownfields Steering Committee, the Community Environmental Health Assessment Project Steering Committee (National Association of City and County Health Officials), the Federal Facilities Environmental Restoration Dialogue Committee, the National Environmental Justice Advisory Council Subcommittee on Waste and Facility Siting, the National Dialogue on Military Munitions, the Peer Review Panel for the VOC Historical Case Initiative, and the Western Region Hazardous Substance Research Center Outreach Advisory Committee.

**Boyer, John**

John E. Boyer is an Environmental Scientist at the New Jersey Department of Environmental Protection. He has worked with the NJDEP since 1988 where he is a principal in developing vapor intrusion policy for the Department. John is co-author of the NJDEP Vapor Intrusion Guidance (2005). As Co-Team Leader for the Interstate Technology and Regulatory Council (ITRC) Vapor Intrusion Team, John was a primary writer for the

ITRC companion documents, VI Pathway: A Practical Guideline and VI Pathway: Investigative Approaches for Typical Scenarios (2007). John earned a bachelor's degree in biology from Belmont Abbey College in Belmont, North Carolina in 1980 and a master's degree in environmental science (human toxicology concentration) from Drexel University in Philadelphia, PA in 1985.

### **MONDAY, 12 JANUARY: COMMUNITY CASE STUDIES**

#### **Little, Peter**

Peter Little lives in Endicott, New York, where he is conducting his dissertation fieldwork for his PhD degree in Applied Anthropology. His dissertation explores the local community impact of toxic contamination in Endicott, birthplace of Business Machines Corporation (IBM) and the site of an ongoing TCE remediation and vapor mitigation effort. His research is supported by a grant from the National Science Foundation's Decision, Risk, and Management Sciences Program.

#### **Hall, Debra**

Debra Hall lives in the Hopewell Precision Federal Superfund Site. During May 2003, she and her husband, David, were informed by the U.S. Environmental Protection Agency (EPA) that their private well was contaminated with trichloroethylene (TCE) and trichloroethane (TCA). Since then, Ms. Hall has testified at two New York State Assembly Committee on Environmental Conservation Vapor Intrusion hearings, petitioned to make her neighborhood a federal superfund site, and was the 2007 recipient of the EPA's Environmental Quality Award. On April 2008 Ms. Hall testified at a special Congressional Field Hearing in East Fishkill which examined water pollution and cleanup in New York's Hudson Valley. She organizes and keeps neighbors informed through a web site and emails. Ms. Hall recently helped form and serves as co-chair of New York Vapor Intrusion Alliance (NYVIA), which is a state-wide alliance of concerned, dedicated citizens who share a common goal in protection from the environmental hazards of vapor intrusion.

#### **Lopez, Teddi**

Ms. Lopez was born and raised in Riggs Park. She attended the George Washington University and has a Bachelor of Science degree in Zoology, a Degree in Medical Technology, and a Master's in Association Management. Ms. Lopez is a Branch Chief in the Office of Compliance in the Food and Drug Administration's Center for Drugs Evaluation and Research (CDER). Prior to this she held positions in CDER's Office of Compliance as a Team Leader and in the Center for Biologics Evaluation and Research's Office of Compliance as a Consumer Safety Officer. From 1993 to 1995 Ms. Lopez served as the Technical Manager of the Transfusion Service Department at the George Washington University Medical Center in Washington, DC.

### **MONDAY, 12 JANUARY: SAMPLING & ASSESSMENT SESSION**

#### **Abreu, Lilian**

Lilian Abreu has Bachelor of Science and Master of Science degrees in Chemical Engineering from the University of Sao Paulo and a Ph.D. in Civil and Environmental Engineering from Arizona State University. Dr. Abreu is the first to have developed a multi-dimensional and multi-component transient transport code for evaluating vapor intrusion that allows for different building construction and oxygen-limited aerobic biodegradation (the Abreu and Johnson 3D Model). For the past four years she has been employed by Geosyntec Consultants where her work focuses on contaminant fate and transport in the subsurface, vapor intrusion into buildings and risk assessment. She is a member of an expert panel that is reviewing the USEPA 2002 Draft Vapor Intrusion Guidance and she is the primary author of the USEPA Technical Paper "Conceptual Site Models of Vapor Intrusion Processes: Theoretical Simulations" that will be soon available for public comments.

**Digiulio, Dominic**

Dominic DiGiulio has a B.S. in environmental engineering from Temple University, a M.S. in environmental science from Drexel University, and a Ph.D. in soil, water, and environmental science from the University of Arizona. He was a remedial project manager in the Superfund Program at EPA Region III for six years. He has conducted research and provided technical assistance to EPA program and regional offices on subsurface gas flow and vapor transport for the past 20 years at EPA's Office of Research and Development laboratory in Ada, Oklahoma. He has authored a number of EPA reports and journal articles in the areas of soil vacuum extraction, gas sparging, gas permeability testing, soil-gas sampling, vapor intrusion, and mathematical modeling. He is currently assisting EPA's Office of Water on rule making and conducting research on geological sequestration of carbon dioxide.

**Schumacher, Brian**

Brian Schumacher is the Branch Chief of the Environmental Chemistry Branch of the Environmental Sciences Division in Las Vegas, Nevada. He has a B.S. in physical geography from the State University of New York at Buffalo and his M.S. and Ph.D. degrees in soil science from the University of Georgia in Athens. For the past 17 years, he has worked at EPA's National Exposure Research Laboratory in Las Vegas, Nevada. During this period, he has conducted research and provided technical assistance to EPA regional offices, EPA program offices, and States on issues pertaining to soil sampling techniques for volatile organic compounds, soil gas sampling, sampling of contaminated sediments, and most recently on vapor intrusion issues as they relate to Brownfields revitalization.

**Mickunas, Dave**

Mr. David Mickunas is a chemist for the US Environmental Protection Agency's Environmental Response Team (US EPA/ERT). He has been performing trace gas analyses for over twenty-five years. He holds a chemistry degree from Grand Valley State University and a chemical engineering degree from the University of Missouri-Rolla. He has been involved with the development and operation of the Trace Atmospheric Gas Analyzer (TAGA), a triple quadrupole mass spectrometer, for over 25 years. He has extensive experience in monitoring, sampling, and analyzing ambient air, indoor air, and soil gas.

**Wertz, Bill**

Dr. Wertz received his B.S. and Ph.D. in Geology from Penn State University. Since joining the NYSDEC in 1982, he has been involved in site investigations and remedial program development at hazardous waste sites throughout New York. He began working on vapor intrusion issues in 1999. Beginning in 2001, he served as a technical advisor and then project manager for the IBM Endicott remedial program, a site where more than 500 structures have been impacted by vapor intrusion. He has participated in the development of New York State's vapor intrusion guidance and policy documents, and serves as a member of the USEPA's vapor intrusion workgroup. He is currently conducting research on the spatial and temporal variability of VOCs in the sub-slab environment.

**MONDAY, 12 JANUARY: GOVERNMENT BREAKOUT SESSION****Boyer, John**

John E. Boyer is an Environmental Scientist at the New Jersey Department of Environmental Protection. He has worked with the NJDEP since 1988 where he is a principal in developing vapor intrusion policy for the Department. John is co-author of the NJDEP Vapor Intrusion Guidance (2005). As Co-Team Leader for the Interstate Technology and Regulatory Council (ITRC) Vapor Intrusion Team, John was a primary writer for the ITRC companion documents, VI Pathway: A Practical Guideline and VI Pathway: Investigative Approaches for Typical Scenarios (2007). John earned a bachelor's degree in biology from Belmont Abbey College in Belmont, North Carolina in 1980 and a master's degree in environmental science (human toxicology concentration) from Drexel University in Philadelphia, PA in 1985.

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**Grimes, Gerald**

Jerry Grimes is a remediation project manager for the Virginia Voluntary Remediation Program. His experience includes consulting as an engineering geologist for 15 years and public service in environmental assessment and remediation for over 15 years. He has worked in a variety of programs including petroleum, federal facilities and brownfields assessment. Vapor intrusion interest includes participation as a state team member for development of the ITRC guidance, group member for development of a screening fact sheet for the Virginia Voluntary Remediation Program and he is currently the Region 3 representative on the ASTSWMO Site Evaluation Focus Group.

**Carroll, Jim**

Jim is currently serving as the Program Administrator the Maryland Department of the Environment's Land Restoration Program (LRP). The LRP consists of the Voluntary Cleanup Program, the Controlled Hazardous Substances Enforcement Program, and the National Priority List Division. Each division is responsible for overseeing assessment and cleanup of hazardous substance sites in Maryland. Mr. Carroll previously served as the Community Redevelopment Coordinator. In that role, he worked with representatives from State and local governments, the private sector and the public to help facilitate the redevelopment of sites believed to be contaminated or are contaminated with hazardous substances. Before joining MDE, Mr. Carroll worked with several environmental consulting firms as an environmental regulatory analyst. In this role, he supported both government and private sector clients in evaluating the clients' compliance with major federal, state and local environmental laws and regulations. He also worked for a Fortune 100 company and managed numerous environmental projects involving legal and technical issues.

**MONDAY, 12 JANUARY: COMMUNITY STAKEHOLDER BREAKOUT SESSION****Horton, Jane**

Jane Horton is a board member of the Citizen's Advisory Group to the EPA on the TCE-Contaminated Groundwater in the MEW Site in Mountain View, Ca. She lives across the street from a Superfund site; her home is over contaminated groundwater and is under remediation for TCE Vapor Intrusion.

**TUESDAY, 13 JANUARY: PLENARY SESSION****Polish, David**

David Polish is a Senior Community Involvement Coordinator at the United States Environmental Protection Agency, Region 3, Philadelphia, PA. Since 1997 Mr. Polish has been assigned to some of the most controversial sites within the region. These sites include the Palmerton Zinc Pile, Palmerton, PA, the Drake Chemical Company, Lock Haven, PA and the Tranguch Gasoline Spill, Hazleton, PA. Mr. Polish has been an early proponent of Risk and Crisis Communications utilizing these tools to plan and communicate complex information to the public during times of stress and concern. Drawing on his years of experience, Mr. Polish has presented many training courses in communications techniques to audiences ranging from fellow USEPA employees to environmental officials and academics in Mexico. Prior to joining USEPA, Mr. Polish was employed for 23 years as a civilian Public Affairs Officer for the United States Navy. Mr. Polish holds a Bachelor of Science degree in Communications from Temple University, Philadelphia, PA.

**Matzko, Kristine**

Kristine Matzko has worked at EPA Region III for 19 years in programs including NPDES permitting, water quality standards, and Superfund. Kristine has been a Remedial Project Manager for the Superfund program for 10 years and manages eight hazardous waste sites including landfill sites and sites with groundwater contamination. Kristine has actively managed sites throughout the Superfund process including site listing, site investigation, design and implementing remedies, operation and maintenance, and site deletion. Kristine currently manages a site where questions about vapor intrusion required close consultation with a school district and responding to community concerns.

**TUESDAY, 13 JANUARY: RISK ASSESSMENT SESSION****Ioven, Dawn**

Dawn Ioven is a senior toxicologist and team leader in the Hazardous Site Clean-Up Division of U.S. EPA - Region III. Her primary responsibility is performing human health risk assessments for the Superfund Program; she has worked in this capacity at EPA since April 1987. Dawn has a Master's degree in Biological Science from Drexel University, and a Bachelor's degree in Life Sciences. She loves her job, her dog and dragon boating, but not necessarily in that order.

**Carroll, Jim**

Jim is currently serving as the Program Administrator the Maryland Department of the Environment's Land Restoration Program (LRP). The LRP consists of the Voluntary Cleanup Program, the Controlled Hazardous Substances Enforcement Program, and the National Priority List Division. Each division is responsible for overseeing assessment and cleanup of hazardous substance sites in Maryland. Mr. Carroll previously served as the Community Redevelopment Coordinator. In that role, he worked with representatives from State and local governments, the private sector and the public to help facilitate the redevelopment of sites believed to be contaminated or are contaminated with hazardous substances. Before joining MDE, Mr. Carroll worked with several environmental consulting firms as an environmental regulatory analyst. In this role, he supported both government and private sector clients in evaluating the clients' compliance with major federal, state and local environmental laws and regulations. He also worked for a Fortune 100 company and managed numerous environmental projects involving legal and technical issues.

**Michaud, Jayne**

Jayne Michaud has worked at the U. S. Environmental Protection Agency since 1994. She has 21 years of experience in human health risk assessment working in private consulting, EPA's federal facilities program and the Superfund program office in headquarters. She is currently a senior health risk assessor in the Office of Superfund Remediation and Technology Innovation. Jayne has a B.A. in Zoology from the University of Maine and a Master of Public Health from Yale University.

**Cron, Mitch**

Mitch Cron is a Remedial Project Manager in EPA Region III, Philadelphia, PA. Mr. Cron joined EPA in 2002 after six years in the private sector as an environmental consultant and overseas service in the US Peace Corps. He oversees environmental investigation and cleanup at Superfund sites in Pennsylvania and Maryland.

**TUESDAY, 13 JANUARY: ENGINEERING & SITE DEVELOPMENT SESSION****Schnapf, Larry**

Lawrence P. Schnapf is an environmental attorney based in New York City and New Jersey. He has 25 years of national environmental experience with Fortune 500 corporations and a number of major New York-based law firms. Larry primarily concentrates on environmental issues associated with corporate, real estate and brownfield transactions, commercial lending and securitizations, and workouts. He has extensive experience with brownfield redevelopment and financing, negotiating environmental insurance policies for business and

real estate transactions, performing environmental due diligence for complex business transactions. He has also written numerous articles on environmental law, is a contributing author for several chapters of “Brownfield Practice and Law: The Cleanup and Redevelopment of Contaminated Properties” published by Matthew Bender. He was also a contributing author for “The Law Of Environmental Justice” published by the American Bar Association and the Matthew Bender “Environmental Law Practice Guide”. He is also the author of “Managing Environmental Liability in Transactions and Brownfield Redevelopment” published by JurisLaw Publishing and also publishes a bi-monthly on-line environmental newsletter “The Schnapf Environmental Journal.” Larry is the co-chair of the New York State Bar Association’s Hazardous Site Remediation Committee and is a co-chair of the NYSBA brownfield task force. He is Chair of the ABA Section of Business Law Committee on Environmental, Energy and Natural Resources Law. He is a vice chair of the Environmental Transactions, Audits and Brownfield Committee; and Special Committee on Disclosure of the ABA’s Section of Environment, Energy and Resources. He is also a member of the board of BNA’s Environmental Due Diligence Guide. Larry is also a member of the ASTM 1527 Task Group, Phase II Legal Work Group, Co-Chair of the legal sub-committee for the ASTM Vapor Intrusion Task Group and a Member of the Appropriate Care/Continuing Obligations Task Group. He is also the chair of the Brownfield Committee Force of the Environmental Business Association of New York. Larry is an adjunct professor of environmental law at New York Law School where he teaches “Environmental Issues in Business Transactions”. He is also on the faculty of the Center for Christian Studies at Fifth Avenue Presbyterian Church where he teaches “The Bible and the Environment.”

### **Mosley, Ron**

Ronald is currently an Environmental Scientist in the Indoor Environment Management Branch (IEMB) of the Air Pollution Prevention and Control Division (APPCD) of the National Risk Management Research Laboratory (NRMRL) in the Office of Research and Development (ORD). In the past 24 years with ORD he has performed research in the areas of particulate control technology, radon mitigation, and penetration of particles and gases into buildings from both the soil and the ambient air. Previously he was an Assistant Professor of physics at Virginia Commonwealth University, followed by 5 years as a Research Physicist at Southern Research Institute. He is currently a member of a team studying the entry of soil gas contaminants into the indoor environment. He is also involved in a study of the penetration of “dirty bomb” fragments into the indoor environment. Over the years, he has published more than 70 papers and holds two U.S. Patents.

### **Folkes, David**

David Folkes, PE is the President of EnviroGroup Limited and has over 30 years of environmental consulting experience. Mr. Folkes has worked on over 60 vapor intrusion sites across North America and overseas and manages the Redfield Site, one of the largest vapor intrusion projects in the US, including indoor air testing of over 700 buildings and mitigation of almost 400 homes. He helped develop the ITRC vapor intrusion guidance and is currently a vapor intrusion classroom instructor for ITRC. He was also co-chair of an ASTM work group that helped develop E2600 for evaluating vapor intrusion during real estate transactions. Mr. Folkes has served as an expert witness on several major vapor intrusion cases, including class actions lawsuits.